LINOVISION

POE-IN9001M12-SOLAR

Single Port BT 90W PoE Injector, M12 Interface, DC 9 to 57V Input

POE-IN9001M12-SOLAR is an Industrial single port Gigabit IEEE802.3bt 90W PoE Injector features DC inputs ranging from 9 to 57V. It offers 1 8-pin M12 1000Mbps PoE output port which is compliant with EN50155 and 1 8-pin M12 1000Mbps Ethernet port. It can convert Optical Ethernet into Electrical Ethernet with PoE. Designed to meet critical industrial standards for reliability and performance, this PoE Injector boasts a wide operating temperature range and 6KV surge immunity. With reliable and simple operation against vibration and shock, and wide operation temperature range, it could match a variety of harsh environment.

Outstanding Features

- **FULL GIGABIT BT 90W POE INJECTOR:** Converts single ethernet port to IEEE802.3af/at/bt 90W PoE++ port with 10M/100M/1000Mbps auto adaptive and auto MDI/MDIX crossover. It adheres to the standard PD detection, classification, and power-on procedures to prevent damage to compliant PD devices.
- **DC 9 TO 57V INPUT WITH VOLTAGE BOOSTER:** Supports DC input voltage ranging from 9 to 57V and provides IEEE 802.3af/at/bt PoE output with built-in voltage booster functionality.
- **M12 Connectors & EMI/EMS Protection:** Featuring M12 connectors provide excellent protection against moisture, dust, vibration, ensure robust, reliable connections in harsh industrial environments. Compliant with international EMI and EMS standards, offering a stable and secure power and data transmission solution in challenging conditions.
- **INDUSTRIAL DESIGN:** IP40 Metal shell & fanless design. Supports DIN-rail or wall mounted installation. Wide working temperature -40°F to +176°F (-40°C to 80°C) and 6KV surge immunity.

Specification

POE-IN9001M12-SOLAR	
Mechanical	
Dimensions (W*H*D)	3.74×2.75×1.14"(95×70×29mm)
Input Power	9 to 57V DC on 5-pin female M12 A-Coding
Weight	0.573 lb(0.26 kg)
Material	Aluminum
Installation	DIN-rail Installation; Wall-mounted Installation
Interface	
Connector	1* 8-pin female M12 A-Coding 10/100/1000Mbps PoE RJ45 Ports
	1* 8-pin female M12 A-Coding 10/100/1000Mbps Ethernet RJ45 Ports
Ethernet	
Processing Type	Forward
	Half-duplex, Full-duplex
Forward Filter Rate	14,88000pps (1000Mbps)
PoE Standard	IEEE802.3 af/at/bt
PoE Budget	90W(Power adapter is not included)
Certifications	
Certifications	ISO9001:2008, CE , FCC , RoHS
EMI	EN 55032:2015 EN 55035:2017 EN 61000-3-2: 2014 EN 61000-3-3: 2013
EMS	IEC 61000-4-2: 2008 IEC 61000-4-3: 2010 IEC 61000-4-4: 2012 IEC 61000-4-5: 2014 IEC 61000-4-6: 2013 IEC 61000-4-8: 2009 IEC 61000-4-11: 2004
Reliability	
ESD	Contact Discharge: ±8kV, Air Discharge: ±15kV
Surge Protection	±6kV
Environmental	
Operating Temperature	-40°F to 176°F(-40°C to 80°C)
Storage Temperature	-40°F to 185°F(-40°C to 85°C)
Operating Humidity	5% to 95% non-condensing
MTBF	> 200,000 hrs

Package included

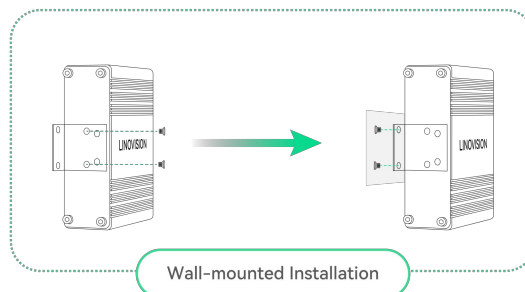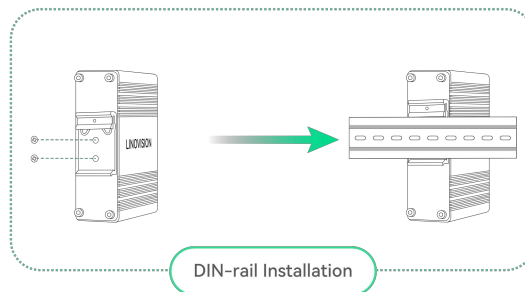

POE-IN9001M12-Solar

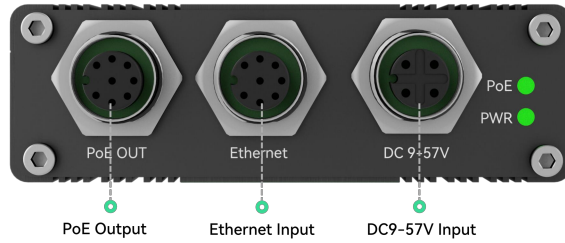DIN-Rail Mounting Accessory

Wall Mounting Accessory

POE-IN9001M12-Solar

User Manual

Installation

DIN-rail Installation

Wall-mounted Installation

Interface

Front View

PoE

PWR

PoE OUT   Ethernet   DC 9-57V

PoE Output   Ethernet Input   DC9-57V Input

Rear View

DIN-Rail

Dimension

1.14"
(29mm)

PoE OUT   Ethernet   DC 9-57V

PoE

PWR

3.74"
(95mm)
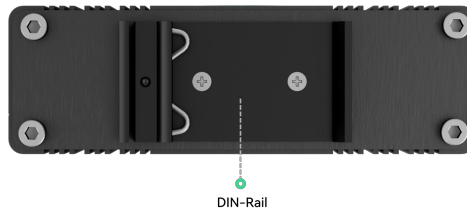
2.75"
(70mm)
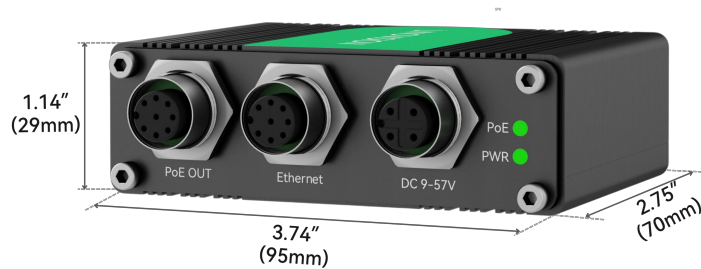
*Disclaimer： Technical specifications may subject to change without prior notice